

# PATENT ABSTRACTS OF JAPAN

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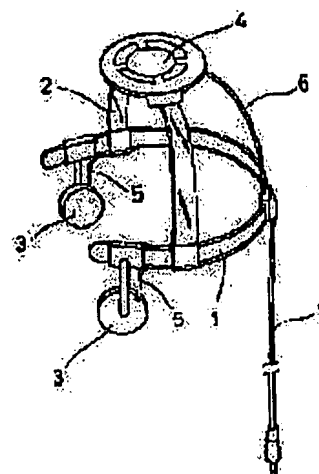
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## (54) BONE-CONDUCTING HEADSET

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To attain satisfactory transmission/reception without being affected of external noises, when reception as well as transmission under a high noise sound by providing a bone conduction loudspeaker placed around an ear, a bone-conducting microphone placed at an optional position of a head, an a support means that supports them.

**SOLUTION:** A bone-conducting loudspeaker 3 is fitted to both ends of a side band (support means) 1. The loudspeaker 3 is set so as to be pressed into contact around an ear, when a bone-conducting headset is mounted on a head. Thus, a sound outputted from the speaker 3 is delivered to a hearing organ as a bone conduction sound, without vibrating air and is heard without being intermingled with surrounding noise. On the other hand, a bone-conducting microphone 4 is fitted to a middle part of a head band 2 so as to be pressed into contact with the top of the head. Thus, a voice by the user is picked up by the bone-conducting microphone 4 as a bone-conducting sound and not affected by a surrounding noise. Thus, bidirectional communication in a clear voice is attained, even in loud noise environment.



### LEGAL STATUS

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